



## Synchronizing pulse generator circuit

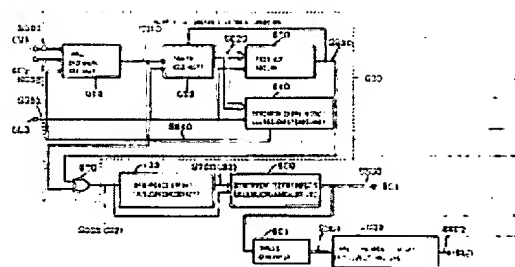
**Patent number:** DE4403374  
**Publication date:** 1994-09-15  
**Inventor:** HATAKENAKA MAKOTO (JP)  
**Applicant:** MITSUBISHI ELECTRIC CORP (JP)  
**Classification:**  
**- international:** H04N5/04; H04N5/46; G06F3/153  
**- european:** H04N5/04; H04N5/12C; H04N5/46  
**Application number:** DE19944403374 19940203  
**Priority number(s):** JP19930016086 19930203

Also published as:

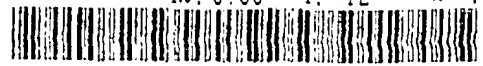
 US5459419 (A)  
 JP6232738 (A)

### Abstract of DE4403374

In the circuit, an out-of lock correction section (600) processes a synchronising signal (S601) for providing a corrected synchronising signal (S600) and a synchronising clock generating section (700) which generates a synchronising clock (S700) exactly synchronised with the corrected synchronising signal (S600), and then a synchronising pulse generating section (800) counts the synchronising clock (S700) for providing a synchronising signal (S800) which is exactly synchronised to the synchronising signal (S601). The synchronising pulse generating section generates high-accuracy synchronising pulses without parts applied from the outside and being suitable for generating HD pulses for use in a deflection system of a multi-synchronisation picture monitor.



Data supplied from the **esp@cenet** database - Worldwide



①⑨ BUNDESREPUBLIK  
DEUTSCHLAND



DEUTSCHES  
PATENTAMT

⑫ Patentschrift  
⑩ DE 44 03 374 C 2

⑤① Int. Cl. 6:  
H 04 N 5/04  
H 04 N 5/46  
G 06 F 3/153

⑳ Aktenzeichen: P 44 03 374.5-31  
㉔ Anmeldetag: 3. 2. 94  
㉕ Offenlegungstag: 15. 9. 94  
㉖ Veröffentlichungstag  
der Patenterteilung: 23. 11. 95

DE 4403374 C2

Innerhalb von 3 Monaten nach Veröffentlichung der Erteilung kann Einspruch erhoben werden

㉚ Unionspriorität: ㉔ ㉕ ㉖  
03.02.93 JP 5-016086

㉗ Patentinhaber:  
Mitsubishi Denki K.K., Tokio/Tokyo, JP

㉘ Vertreter:  
Prüfer und Kollegen, 81545 München

㉙ Erfinder:  
Hatakenaka, Makoto, Itami, Hyogo, JP

㉚ Für die Beurteilung der Patentfähigkeit  
in Betracht gezogene Druckschriften:

|    |              |
|----|--------------|
| DE | 38 32 330 A1 |
| GB | 20 86 177 A  |
| US | 47 29 024    |
| JP | 63-41 466 B2 |
| JP | 61-28 188 B2 |
| JP | 61-11 018 B2 |

㉛ Synchronisierimpulserzeugungsschaltung

DE 4403374 C2